Guangming He

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2479544/publications.pdf

Version: 2024-02-01

20 papers	2,242 citations	516710 16 h-index	752698 20 g-index
21 all docs	21 docs citations	21 times ranked	2933 citing authors

#	Article	IF	Citations
1	Global Epigenetic and Transcriptional Trends among Two Rice Subspecies and Their Reciprocal Hybrids. Plant Cell, 2010, 22, 17-33.	6.6	514
2	Arabidopsis noncoding RNA mediates control of photomorphogenesis by red light. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 10359-10364.	7.1	317
3	Genome-Wide Analysis of DNA Methylation and Gene Expression Changes in Two Arabidopsis Ecotypes and Their Reciprocal Hybrids. Plant Cell, 2012, 24, 875-892.	6.6	297
4	Genome-Wide and Organ-Specific Landscapes of Epigenetic Modifications and Their Relationships to mRNA and Small RNA Transcriptomes in Maize. Plant Cell, 2009, 21, 1053-1069.	6.6	291
5	The Epigenome and Plant Development. Annual Review of Plant Biology, 2011, 62, 411-435.	18.7	172
6	Conservation and divergence of transcriptomic and epigenomic variation in maize hybrids. Genome Biology, 2013, 14, R57.	8.8	117
7	Salicylic acid biosynthesis is enhanced and contributes to increased biotrophic pathogen resistance in Arabidopsis hybrids. Nature Communications, 2015, 6, 7309.	12.8	93
8	Genomic architecture of biomass heterosis in Arabidopsis. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 8101-8106.	7.1	73
9	CRISPR/Cas9-mediated disruption of TaNP1 genes results in complete male sterility in bread wheat. Journal of Genetics and Genomics, 2020, 47, 263-272.	3.9	58
10	Divergent selection and genetic introgression shape the genome landscape of heterosis in hybrid rice. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 4623-4631.	7.1	46
11	Epigenetic Variations in Plant Hybrids and Their Potential Roles in Heterosis. Journal of Genetics and Genomics, 2013, 40, 205-210.	3.9	39
12	Biological pathway expression complementation contributes to biomass heterosis in Arabidopsis. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	38
13	Transcriptome analyses reveal molecular mechanism underlying tapping panel dryness of rubber tree (Hevea brasiliensis). Scientific Reports, 2016, 6, 23540.	3.3	35
14	A new regulator of seed size control in Arabidopsis identified by a genomeâ€wide association study. New Phytologist, 2019, 222, 895-906.	7.3	34
15	Cisâ€regulated alternative splicing divergence and its potential contribution to environmental responses in Arabidopsis. Plant Journal, 2019, 97, 555-570.	5.7	33
16	From hybrid genomes to heterotic trait output: Challenges and opportunities. Current Opinion in Plant Biology, 2022, 66, 102193.	7.1	29
17	A central circadian oscillator confers defense heterosis in hybrids without growth vigor costs. Nature Communications, 2021, 12, 2317.	12.8	18
18	Natural variation of H3K27me3 modification in two Arabidopsis accessions and their hybrid. Journal of Integrative Plant Biology, 2016, 58, 466-474.	8.5	17

#	Article	IF	Citations
19	Transcriptomic analyses reveal molecular mechanisms underlying growth heterosis and weakness of rubber tree seedlings. BMC Plant Biology, 2018, 18, 10.	3.6	16
20	Natural variation in the transcription factor REPLUMLESS contributes to both disease resistance and plant growth in Arabidopsis. Plant Communications, 2022, 3, 100351.	7.7	4